

# National Toxicology Program

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## TERT-BUTYL HYDROPEROXIDE

**CASNO:** 75-91-2**FORMULA:** C4-H10-O2

### SYNONYMS/COMMON NAMES

- 1,1-DIMETHYLETHYLHYDROPEROXIDE
- CADOX TBH
- LUPEROX TBH70
- 2-HYDROPEROXY-2-METHYLPROPANE

### KNOWN USES:

- OXIDATION AND SULFONATION CATALYST, WIDELY USED CATIONIC POLYMERIZATION INITIATOR. USED AS A REAGENT IN RESEARCH.

### CHEMICAL HEALTH AND SAFETY INFORMATION:

#### PLANNED CARCINOGENICITY/TOXICITY

- SELECTED

#### GENETIC TOXICOLOGY (definition)

- IN VITRO CYTOGENETICS
  - POSITIVE (CHROMOSOME ABERRATIONS)
  - POSITIVE (SISTER CHROMATID EXCHANGES)
- DROSOPHILA
  - POSITIVE (SEX-LINKED RECESSIVE LETHAL)
  - NEGATIVE (RECIPROCAL TRANSLOCATION)
- SALMONELLA
  - POSITIVE

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